

WHAT IS CLAIMED IS:

1. An electronic device, comprising:
a sound generator;
a housing having a plurality of holes; and
a sound controller between the sound generator and housing,
wherein the sound controller controls discharge of sound from the sound generator through the holes in the housing.
2. The electronic device of claim 1, wherein the sound controller controls the discharge of sound through the holes based on a predetermined sound leakage pattern.
3. The electronic device of claim 2, wherein the predetermined sound leakage pattern increases uniformity of output sound volume within a predetermined distance range from the device.
4. The electronic device of claim 1, wherein the sound controller includes:
a leakage member having a plurality of holes,
wherein a portion of the holes in the leakage member are aligned with the holes in the housing and wherein other holes in the housing are blocked by the leakage member.
5. The electronic device of claim 4, wherein the holes in the leakage member are arranged relative to the holes in the housing to leak sound in a circumferential direction.

6. The electronic device of claim 4, wherein the holes in the leakage member are arranged at regular intervals in a circumferential direction.

7. The electronic device of claim 4, wherein the leakage member is cylindrical in shape and wherein the holes in the leakage member are in a circumferential direction.

8. The electronic device of claim 4, wherein the holes in the housing and the holes in the leakage member are arranged in a same pattern.

9. The electronic device of claim 8, wherein said pattern is a circular pattern.

10. The electronic device of claim 4, wherein a spacing between the sound generator and housing corresponds to a thickness of the leakage member.

11. The electronic device of claim 4, wherein the sound generator includes at least one spacing member which controls a spacing between the sound generator and housing.

12. The electronic device of claim 4, wherein the sound generator includes a wall having a plurality of holes.

13. The electronic device of claim 12, wherein the holes in said wall are coincident with the holes in the housing.

14. The electronic device of claim 1, wherein the electronic device is a communications terminal.

15. The electronic device of claim 14, wherein the communications terminal is a mobile communications terminal.

16. A communications terminal, comprising:

a housing;

a receiver within the housing; and

a sound controller between the receiver and housing,

wherein the sound controller controls discharge of sound from the receiver through holes in the housing.

17. The terminal of claim 16, wherein the sound controller controls the discharge of sound through the holes based on a predetermined sound leakage pattern.

18. The terminal of claim 17, wherein the predetermined sound leakage pattern increases uniformity of output sound volume within a predetermined distance range from the terminal.

19. The terminal of claim 16, wherein the sound controller includes:
a leakage member having a plurality of holes,
wherein a portion of the holes in the leakage member are aligned with the
holes in the housing and wherein other holes in the housing are blocked by the leakage
member.
20. The terminal of claim 19, wherein the holes in the leakage member are
arranged relative to the holes in the housing to leak sound in a circumferential direction.
21. The terminal of claim 19, wherein the holes in the leakage member are
arranged at regular intervals in a circumferential direction.
22. The terminal of claim 19, wherein the leakage member is cylindrical in shape
and wherein the holes in the leakage member are in a circumferential direction.
23. The terminal of claim 19, wherein the holes in the housing and the holes in
the leakage member are arranged in a same pattern.
24. The terminal of claim 23, wherein said pattern is a circular pattern.

25. The terminal of claim 19, wherein a spacing between the receiver and housing corresponds to a thickness of the leakage member.

26. The terminal of claim 19, wherein the sound generator includes at least one spacing member which controls a spacing between the receiver and housing.

27. The terminal of claim 19, wherein the receiver includes a wall having a plurality of holes.

28. The terminal of claim 27, wherein the holes in said wall are coincident with the holes in the housing.

29. A method for controlling sound in a communications terminal, comprising:
generating sound; and
controlling discharge of the sound through holes in a housing of the terminal.

30. The method of claim 29, wherein the controlling step includes:
controlling the discharge of sound through the holes based on a predetermined sound leakage pattern.

31. The method of claim 30, wherein the predetermined sound leakage pattern increases uniformity of output sound volume within a predetermined distance range from the terminal.

32. The method of claim 29, wherein the controlling step includes:
passing the sound only through a predetermined portion of the holes in the housing.

33. The method of claim 32, wherein the controlling step includes:
passing the sound in a circumferential direction through said predetermined portion of the holes.

34. The method of claim 32, wherein said predetermined portion of the holes are arranged at regular intervals in a circumferential direction.

35. A receiver unit of a terminal device comprising:
a main body consisting of an outer case forming an outer portion and an inner case coupled with the outer case and having a plurality of sound discharge holes;
a receiver disposed inside the main body and generating a sound; and
a sound leakage unit disposed between the receiver and the inner case and leaking a portion of the sound generated from the receiver before being discharged through the sound discharge hole.

36. The receiver unit of claim 35, wherein a plurality of leakage holes are formed between a front side of the receiver and an inner side of the inner case in order to leak a sound therethrough in a circumferential direction.

37. The receiver unit of claim 35, wherein the sound leakage unit includes leakage holes formed at regular intervals in a circumferential direction of the lower housing of the receiver, and a plurality of protrusions formed protruded with a certain width.

38. The receiver unit of claim 35, wherein the sound leakage unit of the receiver unit has a certain width and is formed as a cylindrical type with a plurality of leakage holes in a circumferential direction, and both sides of which are respectively attached at a lower housing of the receiver and the inner case.